

Multifunctional geotextiles for separation, filtration and protection

Secutex® PP coloured / PES



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Product description:

Single-layered needle-punched staple fibre nonwoven geotextiles

Property	Test method*	Unit	R 404	R 504	R 804	R 1204
Raw material	-	-	polypropylene (PP), coloured / Polyester (PES)			
Mass per unit area	EN ISO 9864	g/m ²	400	500	800	1,200
Thickness	EN ISO 9863-1	mm	3.6	4.1	5.4	9.5
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	9.0 / 15.0	12.0 / 18.0	18.0 / 34.0	26.0 / 48.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	80 / 50	80 / 50	80 / 50	90 / 60
Puncture force	EN ISO 12236	N	2,000	2,400	4,000	6,300
Displacement at static puncture strength	EN ISO 12236	mm	50	50	50	50
Characteristic opening size	EN ISO 12956	mm	0.14	0.12	0.10	0.09
Water permeability						
- $V_{I_{H50}}$ -Index	EN ISO 11058	m/s	8.5×10^{-2}	6.4×10^{-2}	3.5×10^{-2}	2.0×10^{-2}
- Flow rate _{H50}		l/sm ²	85	64	35	20
Water flow capacity _(h/h, l=1)						
- transmissivity at 2 kPa	EN ISO 12958	m ² /s	8×10^{-5}	9×10^{-5}	1×10^{-4}	1×10^{-4}
- flow off capacity at 2 kPa		l/(ms)	8×10^{-2}	9×10^{-2}	1×10^{-1}	1×10^{-1}
Detector tested	-	-	yes	yes	yes	yes
Roll dimensions, width x length	-	m x m	5,80 x 100	5.80 x 50	5.80 x 50	5.80 x 50

*based on, **md = machine direction, cmd = cross machine direction

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes. Our products are subject to changes without prior notice.